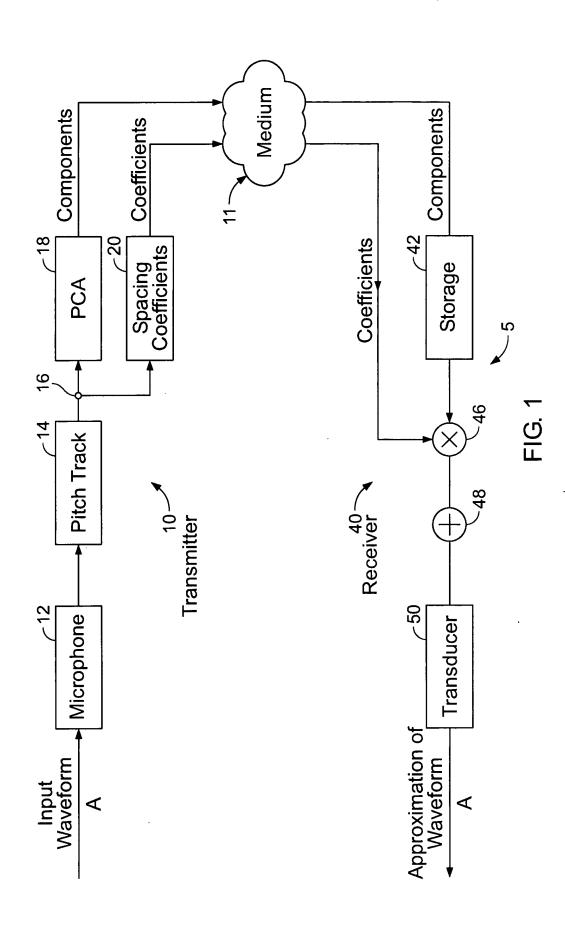
Appln No.: 10/624,092 Page 1 of 22 Applicant(s): Ezra J. Rapoport SPEECH COMPRESSION USING PRINCIPAL COMPONENT ANALYSIS

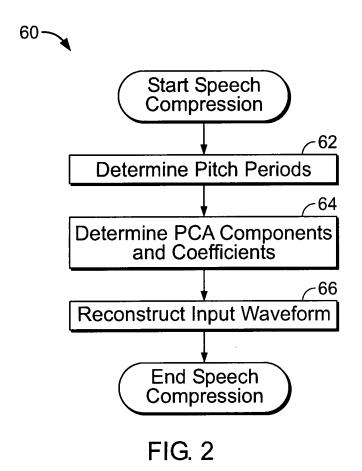


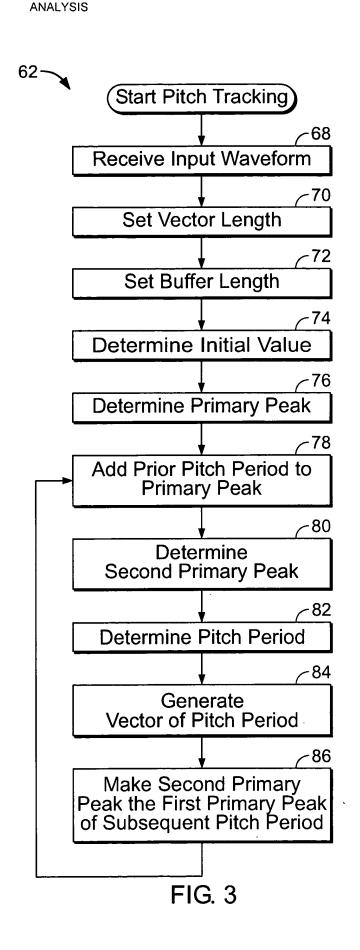


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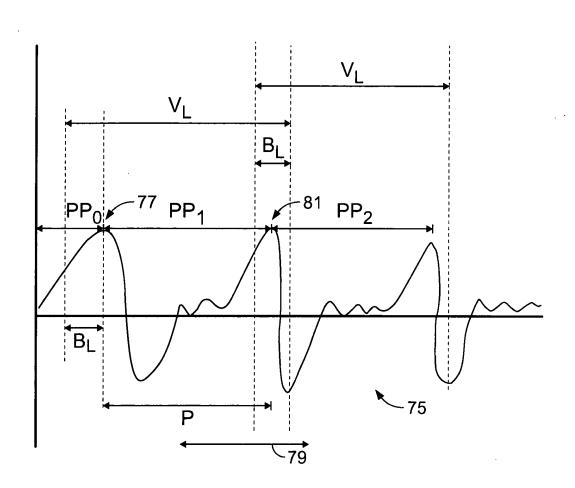


FIG. 4

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Applicant(s): Ezra J. Rapoport
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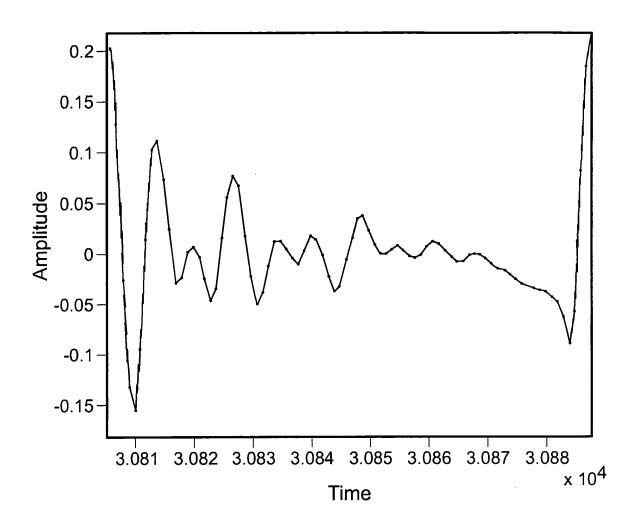


FIG. 5

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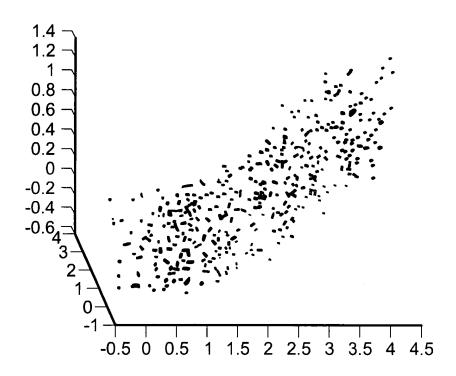
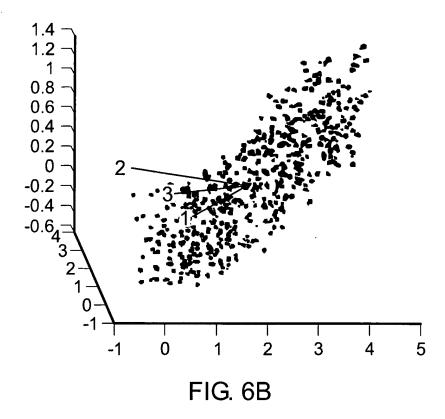
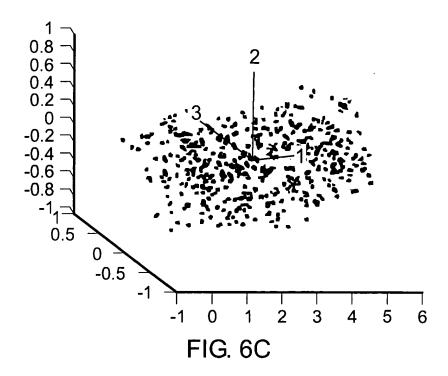


FIG. 6A

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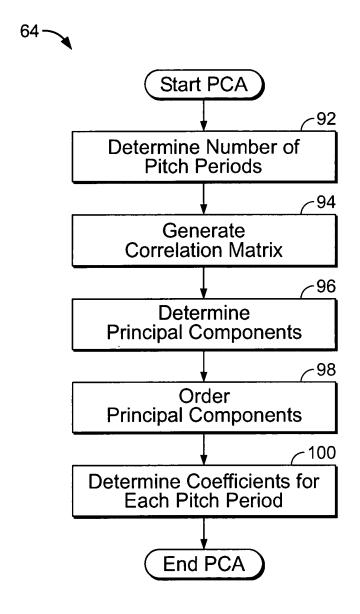


FIG. 7

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Applicant(s): Ezra J. Rapoport
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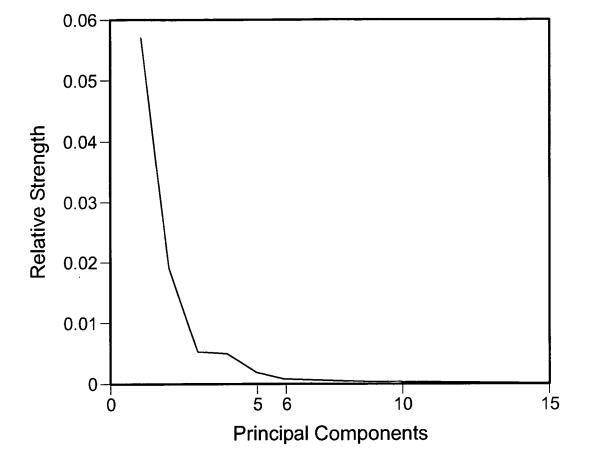


FIG. 8

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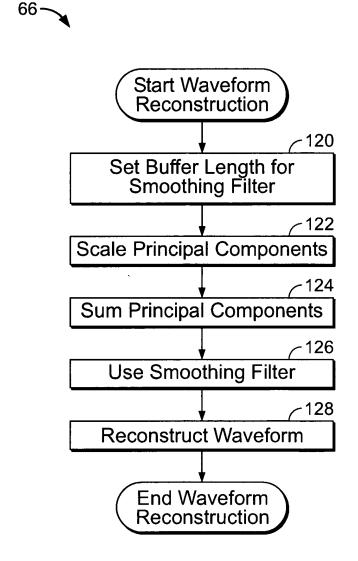
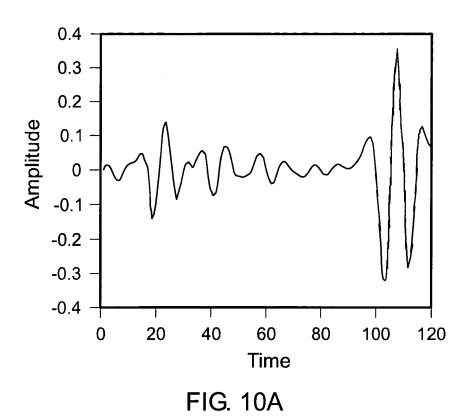


FIG. 9

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Applicant(s): Ezra J. Rapoport
SPEECH COMPRESSION USING PRINCIPAL COMPONENT

ANALYSIS



0.3 0.2 Amplitude 0.1 0 -0.1 -0.2 -0.3

FIG. 10B

40

0

20

60

Time

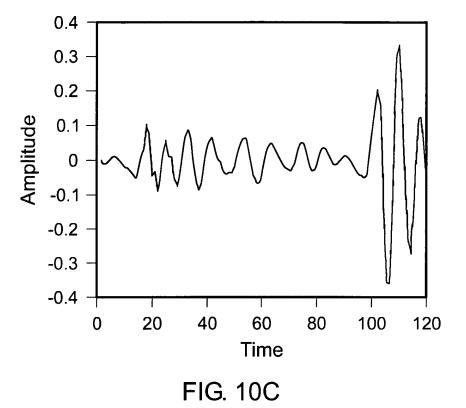
80

100

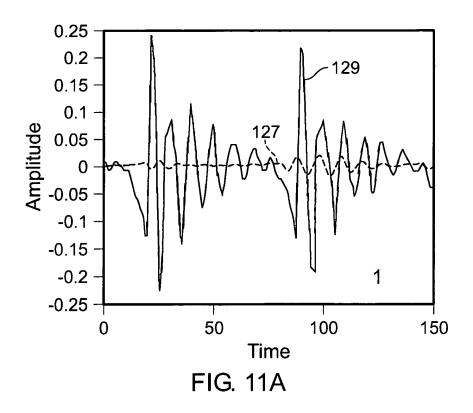
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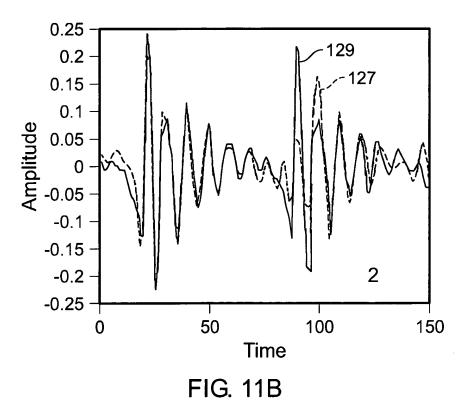
Appln No.: 10/624,092 Page 12 of 22
Applicant(s): Ezra J. Rapoport
SPEECH COMPRESSION USING PRINCIPAL COMPONENT

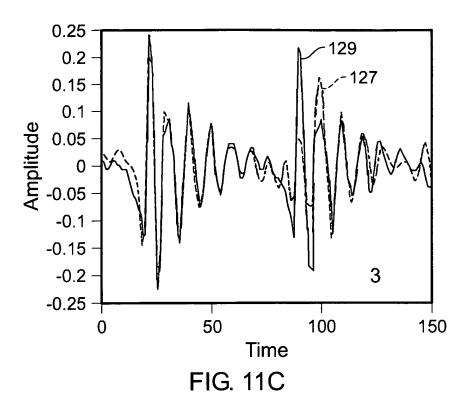
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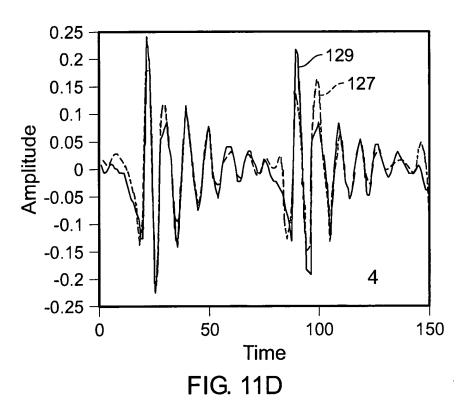


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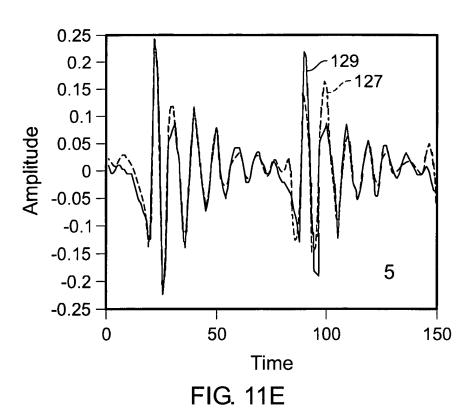


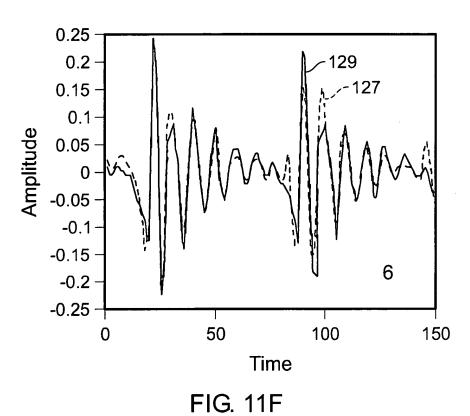


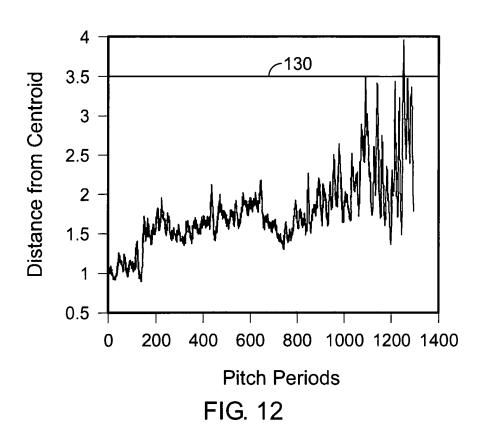


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Applicant(s): Ezra J. Raponort

Applicant(s): Ezra J. Rapoport SPEECH COMPRESSION USING PRINCIPAL COMPONENT

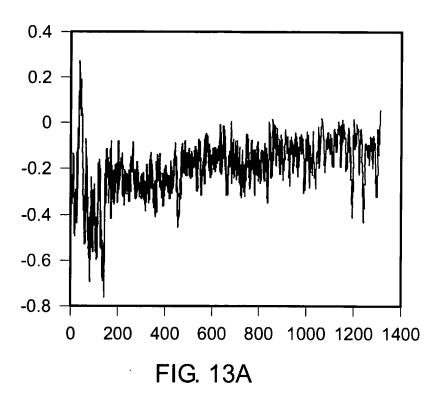


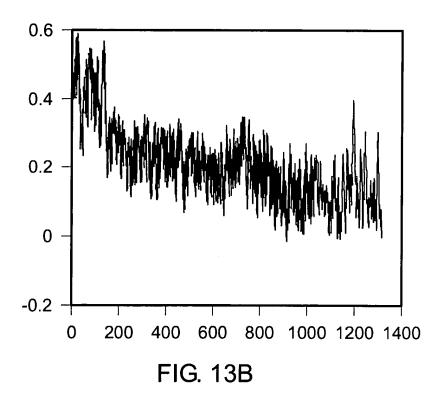




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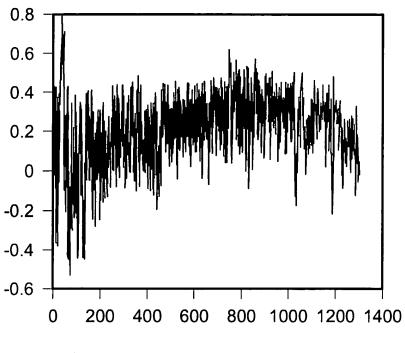


FIG. 13C

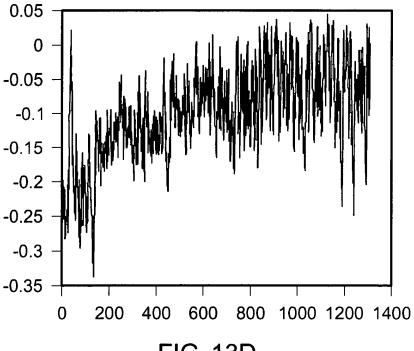


FIG. 13D

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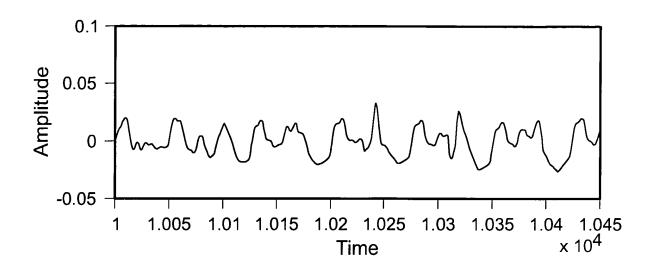


FIG. 14A

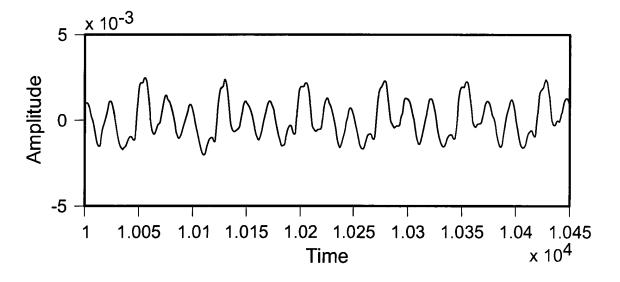
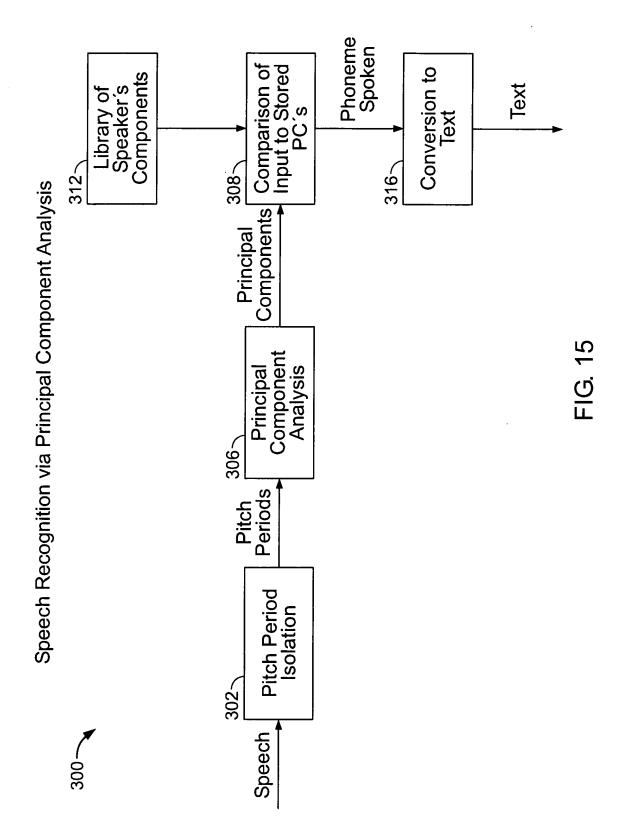


FIG. 14B

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ANALYSIS

Speech Synthesis via Principal Component Analysis

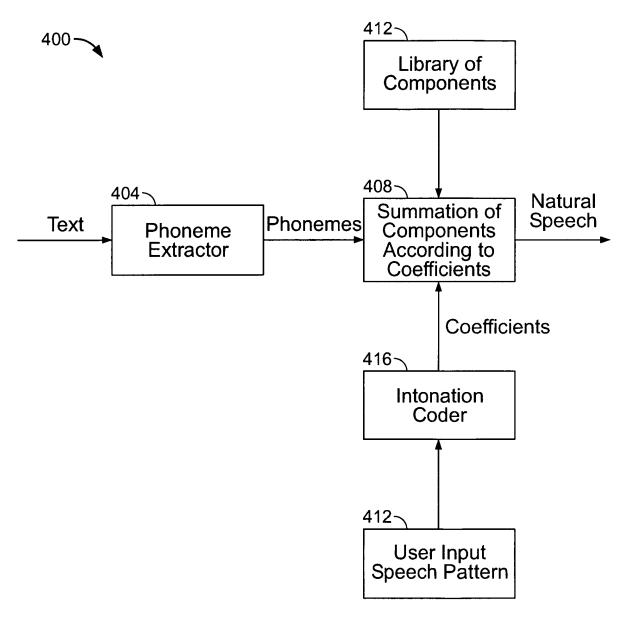


FIG. 16

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